

Figure 1

STREAM	1	2	3	4	5	6	7	8	9	10	11	12
DESCRIPTION	RAW SEDIMENT FROM DARGE TO SITE	DEBRIS TO DISPOSAL	RAW SEDIMENT FROM DARGE LGS	TOTAL RECYCLE FILTRATE WATER	RECYCLE FILTRATE WATER TO IONIZER	IONIZED WATER FROM IONIZER TO MIXER	ADDITIVE PACKAGE TO MIXER	MIXER OUTLET	MIXER OUTLET TO SLURRY TANK	MIXER OUTLET TO PUG MILL	RECYCLE FILTRATE WATER TO SLURRY TANK	SLURRY FEED TO Dewatering
DRY SEDIMENT	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR	# / HR
WATER	33,783.8	2,079.0	31,704.8	11.0	0.3	0.3		0.3	0.3	-	10.7	31,818.8
DECON CHEMICAL ADDITIVES:	70,166.3		70,166.3	110,139.0	2,676.3						107,462.7	180,305.2
OXIDANT							79.3	79.3	79.3	-		
IONIZED WATER						2,676.3		2,676.3	2,676.3	-		
DEWATERING POLYMER							23.8	23.8	23.8	-		
BENEFICIAL USE ADDITIVES:												
FLY ASH												
CEMENT												
OTHER												
TOTAL	103,950.0	2,079.0	101,871.0	110,150.0	2,676.6	2,676.6	103.0	2,779.6	2,779.6	-	107,473.4	212,124.0
BULK DENSITY:												
STREAM, # / CF	77.0	80.0	76.9	64.0	64.0	64.0	65.5	65.5	65.5		64.0	69.6
VOLUME FLOW												
GPM	168.3		165.1	214.6	5.2	5.2	0.2	5.3	5.3		209.3	379.8
CY/HR	50.0	1.0	49.0	63.7	1.5	1.5	0.1	1.6	1.6		62.2	112.8
WT% SOLIDS	32.500%		31.122%	0.010%	0.010%	0.010%	100.000%	3.717%	3.717%		0.010%	15.000%
WT% WATER	67.500%		68.878%	99.990%	99.990%	99.990%	0.000%	96.283%	96.283%		99.990%	85.000%
WT% WATER / WT% SOLIDS * 100%	207.7%		221.3%									
OXIDANT, PPM OF DRY SEDIMENT												
POLYMER, # PER TON OF DRY SEDIMENT												
WATER REMOVED:												
GALLONS PER CY OF RAW SEDIMENT												
% OF RAW SEDIMENT VOLUME												
FLY ASH ADDED AS % OF DEWATERED SEDIMENT												
CEMENT ADDED AS % OF DEWATERED SEDIMENT												
FLY ASH ADDED IN # PER CY OF RAW SEDIMENT												
CEMENT ADDED IN # PER CY OF RAW SEDIMENT												

Figure 2(a)

STREAM	13	4	14	15	16	17	18	19	20	21	22	23	24
DESCRIPTION	TOTAL FILTRATE WATER # / HR	TOTAL RECYCLE FILTRATE WATER # / HR	PRODUCT FILTRATE WATER TO SAND FILTER # / HR	PRODUCT FILTRATE WATER FROM SAND FILTER # / HR	SEDIMENT CAPTURED ON SAND FILTER # / HR	DEWATERED SEDIMENT FROM DEWATERING # / HR	DEWATERED SEDIMENT TO PUG MILL # / HR	DEWATERED SEDIMENT TO BENEFICIAL USE # / HR	FLY ASH ADDED TO PUG MILL # / HR	CEMENT ADDED TO PUG MILL # / HR	OTHER ADDED TO PUG MILL # / HR	BENEFICIAL USE PRODUCT FROM PUG MILL # / HR	TOTAL BENEFICIAL USE PRODUCT # / HR
DRY SEDIMENT	15.6	11.0	4.6	1.4	3.2	31,803.2	31,803.2	-				41,288.4	31,803.2
WATER	156,313.3	110,139.0	46,174.3	46,174.3	0.0	23,991.9	23,991.9	-				22,039.1	23,991.9
DECON CHEMICAL ADDITIVES:													
OXIDANT													
IONIZED WATER													
DEWATERING POLYMER													
BENEFICIAL USE ADDITIVES:													
FLY ASH									5,579.5				
CEMENT										1,952.8			
OTHER													
TOTAL	156,328.9	110,150.0	46,178.9	46,175.7	3.2	55,795.1	55,795.1	-	5,579.5	1,952.8	-	63,327.5	55,795.1
BULK DENSITY:													
STREAM, # / CF	64.0	64.0	64.0	64.0	100.0	92.4	92.4		45.0	90.0		84.5	89.2
VOLUME FLOW													
GPM	304.5	214.6	90.0	89.9	0.0	75.3	75.3		15.5	2.7		93.5	78.0
CY/HR	90.5	63.7	26.7	26.7	0.0	22.4	22.4		4.6	0.8		27.8	23.2
WT% SOLIDS	0.010%	0.010%	0.010%	0.003%	100.000%	57.000%	57.000%					65.198%	57.000%
WT% WATER	99.990%	99.990%	99.990%	99.997%	0.000%	43.000%	43.000%					34.802%	43.000%
WT% WATER / WT% SOLIDS * 100%													
OXIDANT, PPM OF DRY SEDIMENT													
POLYMER, # PER TON OF DRY SEDIMENT													
WATER REMOVED:													
GALLONS PER CY OF RAW SEDIMENT													
% OF RAW SEDIMENT VOLUME			107.9	107.9									
FLY ASH ADDED AS % OF DEWATERED SEDIMENT			53.45%	53.44%					10.00%				
CEMENT ADDED AS % OF DEWATERED SEDIMENT										3.50%			
FLY ASH ADDED IN # PER CY OF RAW SEDIMENT									111.6				
CEMENT ADDED IN # PER CY OF RAW SEDIMENT										39.1			

Figure 2 (b)